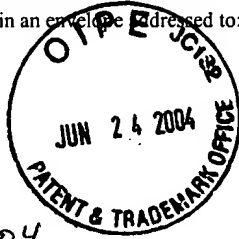


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On June 21, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: Karen Kachin

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Lawrence Salkoff et al.

Application No.: 09/176,664

Filed: October 21, 1998

For: PH SENSITIVE POTASSIUM
CHANNEL IN SPERMATOCYTES

Customer No.: 20350

Confirmation No. 2149

Examiner: Nirmal S. Basi

Technology Center/Art Unit: 1646

AMENDMENT AFTER ALLOWANCE
UNDER 37 CFR § 1.312(a)

Mail Stop Issue Fee

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Notice of Allowance mailed April 6, 2004, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Drawings begin on page 4 of this paper and include 14 replacement sheets.

Remarks/Arguments begin on page 5 of this paper.

An **Appendix** containing formal drawings (14 replacement sheets) is attached following page 5 of this paper.